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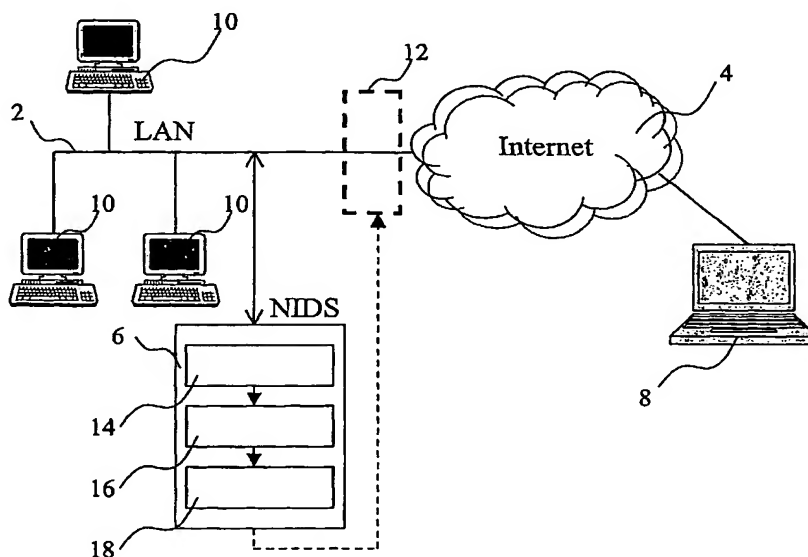
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(54) Title: METHOD AND SYSTEM FOR DETECTING UNAUTHORISED USE OF A COMMUNICATION NETWORK



(57) Abstract: A system (6) for detecting unauthorised use of a network is provided with a pattern matching engine (16) for searching attack signatures into data packets, and with a response analysis engine (18) for detecting response signatures into data packets sent back from an attacked network/computer. When a suspect signature has been detected into a packet, the system enters an alarm status starting a monitoring process on the packets sent back from the potentially attacked network/computer. An alarm is generated only in case the analysis of the response packets produces as well a positive result. Such intrusion detection system is much less prone to false positives and misdiagnosis than a conventional pattern matching intrusion detection system.



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